

ANALYTICAL INDEX TO RAPTOR RESEARCH NEWS Vols. 1-3, 1967-69

prepared by

Byron E. Harrell

Introduction. This index is designed as a thorough breakdown in the material in these volumes for maximum usefulness for readers with varied interests. In Part 1 all persons mentioned are included; a title is added for those pages a person authored; summaries of Breeding Project Information Exchange (BPIE) issues are also noted. In Part 2 references to raptors are made under the common names unless no common name was used in the text; scientific names of all species mentioned are included whether or not they were used in the text; an indication of information included is added to each page number or group of page numbers. In Part 3 other organisms are referred to as they were used in the text (scientific names not used in the text are omitted in the index). Part 4, the index of subjects, is a fairly inclusive but subjective treatment of the material; places are indexed under their country, or in the case of the U.S. and Canada, by their state or province. The U.S. Post Office abbreviation of states or other abbreviations for provinces or countries used elsewhere in the index are given under each listing in the Geographic division of the Subject Index. Other abbreviations used include: pop. (population); migr. (migration), RRF (Raptor Research Foundation).

Part 1. Index to Persons

Adolphson, Don--1:12; 2:30-31(Notes on raptor observations and banding during 1967),54; 3:43-57(Raptor Populations Committee report for 1968),55,71

Albrecht, H.--3:7

Aldrich, John--3:28

Amadon, Dean--1:14,53-54(Birds of prey in the collection of the American Museum of Natural History); 2:32; 3:21

Ames, P.L.--1:30,32

Anderson, Dan W.--1:40; 2:54

Andrews, R.--3:84

apEvans, H.--3:58

Ash, J.S.--1:52

Austing, G. Ronald--1:2,6,9-11(Ron Austing's breeding project), 18,22,40; 2:70

Awender, Eric--1:19

Badshaw, Mr.--3:14

Balfour, E.--2:6,7,9

Bawdon, E.--1:20

Baysinger, Earl B.--2:32,37; 3:25,31

Beebe, Frank L.--1:2,3,5,6,7,8,14,18,22,28,32,40,51,61-86(Experiments in the husbandry of the Peregrine); 2:3,12,24; 3:3,11,16 18,58,87

Behrens, John--1:20
Bent, A.C.--2:30
Berger, Daniel D.--1:14,30; 3:32
Berry, Robert B.--1:6; 2:58-72(Captive breeding behavior-American Goshawk-part I),73; 3:30,55,73
Berryman, J.H.--3:85
Berthrong, Morgan--1:19,45
Beyers, R.J.--3:102
Biehler, Mr.--3:13
Bienvenu, Eric J.--2:32
Biglow, Ed--1:48,51
Blood, Donald--3:32
Bishop, L.B.--1:26,32
Bishop, R.A.--3:84
Boecker, C.L.--3:75
Bond, R.M.--1:45,51,52
Brisbin, Lehr, Jr.--3:97-102(Observations of the behavior and weight changes of two captive Screech Owls)
Brooks, Allan--1:47,51,52,84
Brosset, A.--2:89,91
Broun, Maurice--1:52
Brown, Leslie--3:21
Brownstein, Dick--2:32
Bruell, H.--3:39
Buchheister, C.--1:20; 3:33
Bull, John--2:32,36
Burbridge, J.--1:51
Burns, J.J.--1:32
Burkett, Mary and John--3:71,92-93(Releasing birds of prey to the wild)
Cade, Tom J.--1:14,23-38(Peregrines and pesticides in Alaska),68,78, 83,89; 2:74,77,92; 3:3,16,18,27,28,30,32,33,35,73,74,88
Call, Daniel J.--1:20
Carson, Rachel--3:29
Callison, Charles--3:29
Campbell, J.A.--1:51
Chapin, James P.--1:53
Chapman, F.M.--1:53
Christensen, R.--1:34
Clark, Frank W.--3:84
Cleaver, James K.--2:53; 3:30,31
Clement, Roland--3:1,26,28,30,32,33
Conney, A.H.--1:31,32
Cooper, J.E.--3:94-95(Current work on raptor diseases)
Cowan, I.McT.--1:51,52
Craighead, Frank C.--1:39,52; 3:36
Craighead, John J.--1:14,52; 3:36,51
Cram, R.L.--1:31,32
Cringan, A.T.--3:80
Curry-Lindahl, Kai--1:52
Dementiev, G.P.--2:41
Detmers, E.--3:7,18

Hamerstrom, Frederick--1:3; 2:4,32,87
Hancock, David--1:2,3,3-6(The first general meeting, September 2, 1965, Madison, Wisconsin),62
Harrell, Byron E.--1:1,7,14,15(Board of Directors meeting),19-20
(College and university raptor research-University of South Dakota, Vermillion, SD),57(Special review-Marshall on Screech Owls); 2:32-42(Third meeting of the Raptor Research Foundation), 32,33,35,37,38,39,57(Taxonomic status of tundra inhabiting Peregrines); 3:25-33(Raptor Research Foundation meeting Washington, DC, March 2-6, 1969),29,80-86(Predator ecology and management; report on a symposium),87-90(Regional meeting of Raptor Research Foundation in St. Paul, MN December 10, 1969),87,91 (Regional meeting of the Raptor Research Foundation at Fort Collins, CO November 29, 1969)
Harrell, Joyce--2:73
Harrington, Nancy F.--3:97-102(Observations of the behavior and weight changes of two captive Screech Owls)
Harris, Susan--3:87
Hart, L.G.--1:31,32,33
Hatch, David--3:87
Haugh, J.R.--1:23-38(Peregrines and pesticides in Alaska)
Haynes, Ronnie J.--2:32
Herbert, K.G.S.--1:24,28,33,52,83
Herbert, R.A.--1:24,28,33,52,83
Herman, Steven G.--1:3,53; 3:82,88,89
Herren, H.--1:3; 3:7
Hickey, J.J.--1:3,23,24,28,33,40,45,47,51,52; 3:21,26,27,28,30,31, 32,33,35,36,84,89
Hoffman, R.--3:7,18
Hogan, Larry--3:22
Hood, Larry--3:1,25
Hopkins, John--3:56
Hoppe, R.--3:13,18
Hornocker, Maurice--3:86
Howard, David W.--3:37
Huey, Bill--3:29
Hunt, Grainger--1:3; 3:73
Hunter, Donald V., Jr.--1:1,2,3,6,7,8,11-12(An evaluation of raptors nesting in South Dakota),14,15,16,16-17(Breeding projects-purpose, problems, progress, and potentialities),19(Injuries, infections, and antibiotics),39,40-41(Breeding projects),41 (Raptor populations-South Dakota population survey),56(BPIE 1); 2:27,28(BPIE 7),32,33,34,35,38,39,54-55(Editor's note),55 (Reports of successful captivity breeding attempts),57(Book review-*Flashing Wings*); 3:3,38(BPIE 11),70(BPIE 11),79,89,91
Hurrell, L.H.--3:22
Hutchings, R.J.--3:19(BPIE 10)

Ivens, Greg K.--3:54

Jacobs, Joseph A.--3:54
Jacobsen, W.--1:31,32,33
Jameson, E.W.--1:14
Jeffries, D.J.--1:25,30,33,52
Jenkins, M. Alan--2:74

Dieffenbach, E.A.--3:45
Dilger, William C.--1:14
Dunstan, Thomas C.--1:16,19,20; 2:37; 3:37(Request for information on Bald Eagles),37(A comment on a camera research apparatus applicable to raptor research),38,50,55,86,88
Dustman, E.--3:29

Eberly, Lee--3:58-67(Glossary of falconry terms),73-79(The 1969 NAFA Peregrine Falcon symposium),87,90
Elliot, D.G.--1:54
Ellis, Lon E.--3:45,72(Taking of feather samples)
Elton, Charles--3:80
Emlen, John--3:36
Enderson, James--1:14,23,30,32,43-45(Some ideas concerning the breeding of Peregrines in captivity),46,52,79,83; 2:2(BPIE 3), 22,25; 3:26,27,28,30,31,44,73,75
Erickson, Albert W.--3:80
Errington, P.--3:81,84
Ewald, Earl--1:41

Faust, R.--3:13
Ferguson-Lees, I.J.--1:23
Fernandez, Jo and Gil--3:46
Fessner, W.--3:7,12,13
Finley, Robert B.--3:75,87,88,89
Fitter, Richard--2:5
Flavin, John--1:12,18,41; 2:30,31
Flieg, G. Michael--3:96(Tribromoethanol used to recapture Harris Hawk (Parabuteo unicinctus))
Fouts, J.R.--1:31,32,33
Fowle, J.--1:51
Fox, Glen L.--3:36(Information wanted on Merlin)
Friedman, Herbert--1:14
Friley, Ed--3:28
Fuertes, L.A.--1:18,54
Fyfe, Richard--1:2,3,14,44,55; 2:2(BPIE 4),32,35,36,37,39,40,41; 3:30,31,32,88

Garmatz, Edward A.--3:21,22
Gauss, Mr.--3:13
George, William--2:32
Graham, Richard A.--3:73,75,79
Grant, James--1:52
Grewe, Alfred H., Jr.--1:20,59; 3:49
Greyson, Douglas--3:56
Grier, James W.--2:32,35,36,40,41,42; 3:32
Griffith, Milt--2:74

Hagar, Don--3:87
Hagar, J.A.--1:28,32
Halliwell, William H.--3:88
Hamerstrom, Frances--1:3,7,18,56,60(Brief report on a Herrier population study in central Wisconsin); 2:2(BPIE 3),3(Advertisement),6,28(BPIE 5),32,36,37,39,54(Bird banding committee),73; 3:4,24("Bumblefoot"),87,88,89,91

Martin, Mr.--3:12
Maslowski, Peter--1:9
Mathisen, John E.--1:58-59(Bald Eagle-Osprey status report, 1967-Chippewa National Forest, Minnesota); 2:3,74; 3:49
Mattox, William G.--3:75
Mavrogordato, Jack G.--1:7; 2:10,24; 3:58
Mebs, Th.--3:3,18
Mech, L. David--3:80
Meng, Heinz--1:6,7,14; 2:59; 3:33
Meredith, R.L.--3:73
Mohr, H.--3:14
Moore, N.W.--1:30,33,52,61
Morgan, Walter--1:8
Mueller, H.--3:32
Muller, Kerry A.--1:56; 3:13
Munro, D.A.--1:51,52
Myres, M.T.--1:51,52

Nellis, C.--3:81,84
Nelson, Morlan W.--1:3,4,14,49,53; 3:24
Nelson, R. Wayne--1:45-53(A preliminary summary of a Peregrine and Prairie Falcon Survey in the southern interior British Columbia; 2:75-76(Request for portraits of Peregrines for field recognition); 3:74,88
Nichols, Thomas H.--1:12(Call for Snowy Owl observations); 3:82
Nye, A.--3:73

Oar, Jack--3:93(Nesting of Great Horned Owls and Redtailed Hawks in northern Illinois 1969)
Ogden, John C.--2:32
Ohlander, Kurt--3:45
Olendorff, Richard R.--1:40,41,56(BPIE 1); 2:27,33,41,77-92
(A contribution to the breeding behavior of the American Kestrel in captivity); 3:3,21,73,74,75,91
Osgood, W.H.--1:26
Oswell, M.--1:51

Parker, James W.--3:71(Request for information on color-tagged Mississippi Kites)
Peakall, David B.--1:21,31
Peithmann, Mr.--3:7,13
Peterson, Art--3:84
Peterson, Roger Tory--3:45
Phillips, R.L.--3:84
Pimentel, David--3:81
Pineo, Doug--3:2
Porter, Richard D.--2:29(BPIE 8),77,89; 3:1,25,29,30,32,33,74,75
Postupalsky, Sergej--2:32,36; 3:47
Prestt, I.--1:25,30,52; 2:39; 3:89
Prestwich, Arthur A.--1:3,22; 2:3; 3:7,13,14,18
Progulske, Donald R.--3:80

Rabor, D.--2:74
Ratcliffe, D.A.--1:23,25,27,30,31,33,39,53,61; 3:27,30

Jonkel, Charles--3:56,57,87
Jonkel, George--1:14,15; 2:30-31(Notes on raptor observations and banding during 1967),35,54; 3:37(Slides on raptors),43-57 (Raptor Populations Committee Report for 1968),55,56,71,87,90
Juchau, M.R.--1:32

Keith, L.--3:30,33,81,84
Kendall, Henry--1:6,18,22,40; 2:2,3(BPIE 4),55,55-56(Notes on food preferences of captive breeding Prairie Falcons); 3:33,87
Kirkpatrick, Charles--3:80
Kirven, Monte N.--3:82,88
Knowlton, Fred--3:85
Knudsen, Brian--3:35
Koehler, Amélie--3:3-18(Captive breeding of some raptors),87
Koenig, O.--3:13
Koepp-Baker, Herbert--2:32
Kolonowski, G.--3:84
Koplin, James R.--3:85,87
Korschgen, L.--3:84
Kost, K.W.--2:12,24
Kozicky, Edward L.--3:86
Kramer, H.--3:3,8
Krominga, Myron C.--1:19
Kuntzman, R.--1:31,32,33
Kuyt, E.--1:83

Latham, Roger--3:80
Laun, H.C.--3:86
Leach, Howard--3:29,83
LeFebvre, E.--2:32
Lehrman, D.S.--1:31,33
LeJeune, John--3:39-40(Cure of tapeworms in Gyrfalcon),41-42(Foot trouble in Gyrfalcon and its relation to the shape and material the bird is kept on)
Lennon, Robert--3:86
Levin, W.--1:32
Ligas, Frank--3:49
Lorenz, Konrad--2:59
Luscombe, Anthony B.--1:12; 2:32,73; 3:55

McCabe, Robert--3:86
MacCarter, Don--3:87
McGahan, Jerry--3:36
McIntyre, James--1:55
Mackie, P.F.--1:51
MacNaughton, F.C.--1:51
Mahoney, Mahlon K.--2:32; 3:46
Mannix, D.--1:17
Marcus, Stanley--3:31,33
Marquart, J.J.--3:3,7,13,14,15,16,17,18
Marrack, David--2:15
Marshall, Joe T., Jr.--1:39,57(Parallel variation in North and Middle American Screech-owls, review of)
Marti, Carl D.--3:44
Martin, P.--1:51

Ray, Tom--1:51; 3:75
Rausch, R.A.--3:84
Reynolds, Harry--3:36
Rice, Jim--3:30,32
Richards, Gerald L.--2:32
Riddle, O.--1:31,33
Risebrough, Robert--3:29,30,82
Ritcey, R.W.--1:51
Robbins, Chandler--3:31
Roberts, Hadley--2:74
Röder, Mr.--3:8,12
Rose, B.J.--2:31
Roseneau, David--3:44
Ross, James T.--3:2(Kestrel boxes),51
Rothschild, Lord--1:53
Ruos, Jim--3:25,88
Russell, Richard--3:57

Saar, C.--3:39,40
Sampson, Herman H.--1:22
Sanderson, Glen C.--3:80
Sargent, Al--3:84
Scharf, William C.--1:6-9(Orkney Harrier report); 3:48,87
Schlegel, H.--1:54
Schneidman, K.--1:32
Schnell, Gary D.--2:32
Schramm, Larry--2:55; 3:33,87
Scott, Vere--3:87
Seidensticker, John--3:51
Shultice, R.W.--1:32
Simonyi, Joe--1:3,4,17; 2:28(BPIE 6)
Smart, Glen--3:1,25
Smith, David J.--3:19
Sparrowe, Rollin--3:84
Spofford, Walter R.--1:14; 3:36
Springer, Paul F.--1:2,14,15
Sprunt, A.--3:32
Stabler, Robert M.--1:39,45
Stackpole, Stephen M.--3:47
Stearns, Forest--3:80
Stevens, Ronald--1:64,65,70,72,77,78; 3:11
Stickel, Lucille F.--1:3,4,14,30,34,55
Stickel, William H.--1:3,4,14,34,55; 3:30
Storm, G.L.--3:84
Stowe, D.--3:73
Streater, Jim--3:74,87
Studholm, Allan--3:26,28
Stuewer, Frederick W.--3:80
Sundve, Erling--1:64
Sutton, George M.--1:14; 2:32,38
Swartz, L. Gerald--2:10-25(The experimental production of foot infections in birds: observations on causes and cure); 3:24,44, 74,88
Swift, Ernest--3:48

Tatschl, John L.--2:32
Terasse, J.F.--2:5
Terasse, M.--2:5
Terres, John K.--2:57("Flashing Wings," review of)
Thomas, Stiles--3:51
Tinbergen, L.--3:84

Udall, Stewart L.--1:41,42

Valentine, Al--3:47
Vose, Rory N.--1:19

Wagner, Frederick H.--3:84
Wagner, Ken--3:102
Wagner, Susan--3:102
Walden, Ryan--1:56(BPIE 2)
Walenstrom, Rolf--3:87
Walker, Wayman--1:60
Wallace, G.T.--3:48
Waller, Renz--1:64,65,70,72,78; 3:11,13,14,18,87
Warner, Dwain--3:82
Watson, B.--3:73
Weaver, James D.--2:32
Webster, Harold M.--1:2,14,51; 2:12,24; 3:58
Welch, R.M.--1:32
Wetmore, Alexander--1:14
Wetmore, S.--3:84
White, Clayton M.--1:23-38(Peregrines and pesticides in Alaska);
2:57; 3:36
White, Jimmie--2:2(BPIE 3); 3:3,19(BPIE 9)
Wiemeyer, Stanley N.--2:29(BPIE 8),32,39,77,89; 3:1,25,26,29
Wight, Howard--3:96
Willoughby, E.J.--2:77,92; 3:3,18
Wimsatt, William A.--1:14
Wolf, Joseph--1:54
Wolfe, Roger--3:56
Wolhuter, Bruce R.--3:23(Notes on a Kansas Great Horned Owl
population),72(Request for information)
Woodford, M.H.--2:12; 3:58
Woodwell, George M.--1:53
Wulverhorst, A.--1:54

Zusi, Richard--3:1,25

Part 2. Index to Raptors

Accipiter badius, see Shikra

Accipiter collaris

1:53(American Museum of Natural History, inadequate collection; Field Museum collection)

Accipiter cooperi, see Hawk, Cooper's

Accipiter gentilis, see Goshawk

Accipiter nisus, see Hawk, European Sparrow

Accipiter velox, see Hawk, Sharp-shinned

Aegolius funereus, see Owl, Boreal

Aquila audax, see Eagle, Wedge-tailed

Aquila chrysaetos, see Eagle, Golden

Asio flammeus, see Owl, Short-eared

Asio otus, see Owl, Long-eared

Bubo bubo, see Owl, Eagle

Bubo shelleyi

1:53(American Museum of Natural History, collection lacks; in NY Zoo)

Bubo virginianus, see Owl, Great Horned

Buteo brachyurus, see Hawk, Short-tailed

Buteo buteo, see Buzzard, Common

Buteo jamaicensis, see Hawk, Red-tailed

Buteo lagopus, see Hawk, Rough-leg

Buteo lineatus, see Hawk, Red-shouldered

Buteo platypterus, see Hawk, Broad-wing

Buteo regalis, see Hawk, Ferruginous

Buteo swainsonii, see Hawk, Swainson's

Buzzard, Common (Buteo buteo)

1:72(captive, foster young of Peregrine Falcon)

2:5(France, unprotected); 6(Gr.Br.(Orkney), ground nesting)

3:22(Gr.Br., treated in rescue scheme)

Cathartes aura, see Vulture, Turkey

Circus cyaneus, see Hawk, Marsh

Condor, Andean (Vultur gryphus)

1:54(American Museum of Natural History, in habitat group)

3:3(Colombia, Peru, study of); 25(captivity breeding)

Condor, California (Gymnogyps californianus)

1:54(American Museum of Natural History, habitat group)

Eagle, Bald (Haliaeetus leucocephalus)

1:5(captivity breeding, recommended); 17(captivity breeding); 20(SD, study of wintering pop.; MN, study of breeding pop.); 41,42(MN,WI, protection by power company); 42(MN, protection in Indian reservation); 45(N.Am., biocides and decline); 51(B.C., decline); 54(American Museum of Natural History, collection); 58,59(MN, breeding status)

2:3(MN, educational brochure, U.S. Forest Service); 3,4(MN, protection, rules, on Indian reservation); 4(OR,WA, protection by lumber company); 36(Can. prairie provinces, pop. study)

3:22 (decline, possible course); 25 (captivity breeding); 27 (eggshell thinning); 32 (National Audubon Society, summary planned); 32 (Sask., pop. study area); 36 (AK, study); 37 (MN, SD, request for information on color marked); 37 (use of camera to observe nest); 43 (AK, pop.); 45 (FL, nest success); 47 (MI, nesting pop.); 48 (MI, decrease); 49-50 (MN, nesting pop.); 52 (PA, NY, fall migr.); 54 (NJ, nesting pop.); 56 (Ont., nest near Golden Eagle); 83 (CA, pop. decline); 88 (history of banding restriction)

Eagle, Golden (*Aquila chrysaetos*)

1:9, 10 (behavior of Red-tailed Hawk toward, in captivity); 11 (SD, poor nesting success); 18 (captivity breeding, female lays eggs); 20, 21 (cooperative study planned); 40 (Gr. Br., eggshell thinning and pesticides); 41 (SD, nesting success); 54 (American Museum of Natural History, habitat group); 63 (captive, egg laying)

2:2 (captive, adopting Red-tailed Hawk); 28 (BPIE, artificial insemination method); 31 (SD, nesting pop.); 36 (NY, use of nest record cards)

3:22 (Norway, protected); 22 (Finland, pop. decrease, permits to kill); 24 (bumblefoot, treatment); 27 (absence of eggshell thinning); 30 (Gr. Br., increase after reduction of pesticide in sheep dip); 32 (law, role of National Audubon Society); 36 (MT, nesting and productivity); 45 (CO, WY, pop. migr. and nesting); 51 (MT, pop. nesting, studies); 52 (NY, NJ, fall migr.); 55 (SD, nesting success); 56 (Ont., nest near Bald Eagle); 75 (NM, TX, CO, WY, pop.); 82 (CA, 1080 poisoning); 83 (CA, pop.); 88 (aid of falconers in survey); 89 (SD, care of injured)

Eagle, White-tailed Sea (*Haliaeetus albicilla*)

1:17 (attempt at captivity breeding with Bald Eagle)

3:22 (Norway, protection)

Eagle, Philippine Monkey-eating (*Pithecopaga jefferyi*)

2:53 (Philippines, inquiry on study); 74 (Philippines, National bird, protection and study)

Eagle, Wedge-tailed (*Aquila audax*)

3:22 (Australia, bounty rescinded)

Elanus leucurus, see Kite, White-tailed

Falco biarmicus, see Lanner

Falco chiquera, see Falcon, Red-headed

Falco columbarius, see Merlin

Falco fasciinucha, see Falcon, Taita

Falco kryenborgi

1:53 (dubious species, American Museum of Natural History, collection lacks)

Falco mexicanus, see Falcon, Prairie

Falco naumanni, see Kestrel, Lesser

Falco peregrinus, see Falcon, Peregrine

Falco rusticulus, see Gyrfalcon

Falco sparverius, see Kestrel, American

Falco subbuteo, see Hobbie

Falco tinnunculus, see Kestrel, European

Falcon, Collared Forest (*Micrastur semitorquatus*)

1:56 (egg laid in zoo)

Falcon, Peregrine (*Falco peregrinus*)

1:2,6(international conference); 4(egg laying, unmated females); 4(release of captive at eirie site); 6,7(captivity breeding); 7(B.C.,Gr.Br., pop. studies); 8(captivity breeding, partial success; value of captive raised birds); 18(immature male nesting), 18,22(captivity breeding, partial success); 23-38(AK, Yukon Territory, report on pop., food, nesting, pesticides), 40(Gr.Br., eggshell weights, pesticides); 40(captivity breeding, partial success); 43-45(captivity breeding, report on ideas); 45-53(B.C., report on pop. study); 54(American Museum of Natural History, habitat group); 56(BPIE, captivity breeding), 61-86 (captivity breeding, report on background, behavior, role of sexual dimorphism, pair formation, territoriality, food, pop., survival)

2:2-3(BPIE, captivity breeding); 5(motion picture); 6(Gr.Br. (Orkney), ground nesting); 10-25(foot infection and treatment); 34-35(captivity breeding, cooperation, number of birds); 36(Can., prairie provinces, pop. study); 36(NY, nest record cards); 39 (Pesticides, sublethal effects); 54(request to save feathers of banded birds for pesticides); 55(captivity breeding, success), 57(taxonomy of tundra birds, N.Am. subspecies); 57(flight); 75-76(request for photos for field recognition); 77(age at breeding)

3:3 (decline); 11-13(captivity breeding, report); 16(captivity breeding, nest site recommendation); 16(breeding in immature plumage); 21(Peregrine Falcon Populations, book); 22(decline, possible role of biphenyls); 25-33(meeting on, by National Audubon Society, taxonomic status, distribution, decline in Europe and N.Am., shell thinning and pesticides, interests of North American Falconers' Association, legal protection problems, prospects, falconry laws and practice, pesticide usage, work of RRF, work of National Audubon Society, captivity breeding, survey problems); 36(AK(Aleutians), study); 39-40(report on tapeworm treatment); 44(AK, migr., nesting success); 45(CO,WY, nesting); 45(IA, status); 46(IL, migr.); 48(MI, status); 51(MT, study); 51 (NY, migr.); 52(NY,NJ, fall migr.); 57(Ont., status, reaction of ptarmigan); 57(PEI, migr.); 61(falconry term); 72(feather sampling, effects); 73-79(North American Falconers' Association Peregrine symposium, TX migr., east coast migr., AK pop., BC pop., pesticides, shell thickness, resolutions on hard pesticides, endangered status, recommended management plans, harvesting regulations, captivity breeding, and committee on breeding); 83-84(shell thinning and pesticides); 83-84(CA, status); 87 (captivity breeding, status and prospects); 88(N.Am., pop. survey plans); 89(importance of work of falconers); 91(captivity breeding, general problems and plans)

*Falcon, Red-headed (*Falco chiquera*)

3:14(captivity, behavior with Shikras)

Falcon, Taita (*Falco fasciinucha*)

3:36(East Africa, little-known, seen)

Falconet, Rufous-thighed (*Microhierax caerulescens*)

1:56 (zoo, infertile eggs)

3:13(captivity breeding, partial success); 16(captivity breeding, nest)

*Falcon, Prairie, see page [27]

Goshawk (Accipiter gentilis)

1:6(captivity breeding, eggs incubated by Red-tailed Hawk); 6-7 (captivity breeding, male requested); 56(BPIE, captivity breeding); 63(captives, laying eggs); 64,80(captivity breeding)
2:5(France, unprotected); 36(NY, use of nest record cards); 58-72 (captivity breeding, report)
3:13-14(captivity breeding, report); 16(breeding in immature plumage); 31(sale price); 37(use of camera to observe nest); 38(BPIE, captivity breeding); 44(AK, migr., nesting status); 48(MI, migr. status); 52(NY,NJ, fall migr.); 53(NY, nesting status); 58,59(falconry terms); 70(BPIE, captivity breeding); 83(CA, status, pesticides); 93(captivity breeding, report)

Gymnogyps californianus, see Condor, California

Gyrfalcon (Falco rusticolus)

1:54(painting of); 56(BPIE, breeding project); 80(captivity, susceptible to aspergillosis if not exercised); 80(captivity breeding, possibilities)
2:41(translation of Russian paper)
3:39-40(captive, report on treatment for tapeworms); 41-42(captive, report on foot problems and treatment); 45(AK, pop., nesting); 57(Man., pop.); 63(falconry term); 78(harvest retulation possibilities)

Haliaeetus albicilla, see Eagle, White-tailed Sea

Haliaeetus leucocephalus, see Eagle, Bald

Harrier, see Hawk, Marsh (p. [28])

Harrier, Hen, see Hawk, Marsh (p. [28])

Hawk, American Sparrow, see Kestrel, American

Hawk, Broad-wing (Buteo platypterus)

3:37(use of camera to observe nest); 46(IL, migr.); 48(MI, spring migr.); 51,52(NY,NJ, fall migr.); 53(NY,PA, nesting status)

Hawk, Cooper's (Accipiter cooperi)

3:45(FL, migr., nesting); 46(IA, migr., nesting); 46(IL, migr.); 48(MI, migr.); 52(NY,NJ, fall migr.); 53(NY, nesting); 55(PA, nesting decline, migr.); 83(CA, status, pesticides, biphenyls)

Hawk, Duck, see Falcon, Peregrine

Hawk, European Sparrow (Accipiter nisus)

1:40(Gr.Br., eggshell thinning); 45(Europe, decrease and biocides)
2:5(France, unprotected)

3:14(captivity breeding, partial success); 27(eggshell thinning)

Hawk, Ferruginous (Buteo regalis)

1:11,12,41(SD, nesting status)

2:31(SD, nesting status)

3:44(CO, nesting, migr., decline); 55(SD, nesting status); 56(SD, TX, nesting status)

Hawk, Harlan's, see Hawk, Red-tailed

Hawk, Harris's (Parabuteo unicinctus)

1:56(BPIE, captivity breeding)

2:2(BPIE, captivity breeding); 3(request for photos of known age birds)

3:19(captivity breeding, success); 83(CA, probably gone); 96(zoo, drug recapture)

Hawk, Marsh, see p. [28]

Hawk, Pigeon, see Merlin

Hawk, Red-shouldered (Buteo linearis)

2:3(request for photos, known age); 70-72(captivity, raised by foster parent Goshawk)

3:45(FL, nesting success); 46(IL, migr.); 48(MI, migr., nesting status); 51(NJ, disappearance); 52(NY,NJ, fall migr.); 53(NY, status); 83(CA, status)

Hawk, Red-tailed (Buteo jamaicensis; Harlan's Hawk)

1:6(captivity breeding, artificial insemination possibility); 6(captivity breeding, incubating foster eggs); 6-7(captivity, Goshawk foster parent); 9-10(breeding project, behavior); 11-12(SD, nesting); 18(captivity breeding); 22(request on visual ability); 40(captivity breeding, success); 41(SD, nesting); 56(BPIE, captivity breeding); 63(captivity, eggs laid); 72(BC, attack by captive Peregrine Falcon)

2:2(BPIE, captivity, Golden Eagle foster parent); 3(request for photo, known age); 28(BPIE, captivity breeding); 30(SD, report on nesting, migr.); 31(SD, Harlan's Hawk seen); 35(SD, nesting success)

3:37(use of camera to observe nest); 44(AK, nesting Harlan's Hawk); 45(FL, nesting success, pesticides); 45(IA, migr., nesting); 46(IL, migr.); 48(MI, migr.); 51(MT, study); 52(NY,NJ, migr.); 53(NY, nesting success); 54(NJ, nesting success); 55-56(SD, nesting success, cliff nest); 56(TX, nesting success); 83(CA, status); 84-85(MO, pellet study); 87(captivity, use as foster parent); 93(IL, report on nesting)

Hawk, Rough-leg (Buteo lagopus)

2:3(request for photo, known age)

3:24(porcupine quills in feet); 44(AK, migr., nesting status); 46(IL, fall migr.); 52(NY,NJ, fall migr.); 56,57(status)

Hawk, Sharp-shinned (Accipiter velox)

3:44(AK, nesting status); 45(FL, migr.); 45(IA, migr., nesting); 46(IL, migr.); 48(MI, migr.); 52(NY,NJ, fall migr.); 53(NY, not seen); 83(CA, rare)

Hawk, Short-tailed (Buteo brachyurus)

3:45(FL, nesting)

Hawk, Swainson's (Buteo swainsonii)

1:11,12(SD, nesting success); 51(BC, pop. reduced); 56(BPIE, captivity breeding)

2:30(SD, nesting success)

3:55,56(SD, nesting success); 56(TX, nesting); 83(CA, status)

Hobbie (Falco subbuteo)

2:5(France, unprotected)

Ictinia mississippiensis, see Kite, Mississippi

Kestrel, American (Falco sparverius; American Sparrow Hawk)

1:4-5(captivity breeding, success, food mixture, recommended); 11-12(SD, pop. status); 18(CO, nesting as immature after release from captivity); 35(AK, food of Peregrine); 40-41(captivity breeding, death of young); 56(BPIE, captivity breeding)

2:2(BPIE, captivity breeding); 29(BPIE, captivity breeding, success); 30(SD, status); 39(captivity, pesticide study); 59(PA, no response to captive Goshawk distress cries); 77-92(captivity breeding, behavior, report on study)

3:2(NY, construction and use of nest boxes, report); 3-7,12(captivity breeding, success, behavior, report); 9(captivity

breeding, effects of light); 15(captivity breeding, nest recommendation); 16(captivity breeding, age at breeding); 17(captivity breeding, courtship); 25(captivity breeding); 29(captive, pesticide studies); 32-33(captivity breeding, success); 37(use of camera to observe nest); 44(AK, migr.); 45(IA, migr., nesting); 46(IL, migr.); 48(MI, migr., decrease); 52(NY, NJ, fall migr.); 53(NY, status, nesting); 54(NJ, nesting); 56(TX, nesting); 57(PEI, migr.); 75(captivity breeding, pesticide study); 83(eggshell thinning, experimental); 84(prey catching behavior, captive experiments)

Kestrel, European (*Falco tinnunculus*)

2:5(France, unprotected); 6(Gr.Br.(Orkney), ground nesting)
3:7-12,14(captivity breeding, report on study); 8,12(captive breeding, down absent); 15(captivity breeding, nest recommendation); 16(breeding in immature plumage); 18(captivity breeding, hacking of young); 19(BPIE, captivity breeding); 22(Gr. Br., treated in rescue scheme); 93(Gr.Br., captivity breeding, report)

Kestrel, Lesser (*Falco naumanni*)

3:7(captivity breeding, cross with European Kestrel); 8(captivity breeding, partial success)

Kite, Mississippi (*Ictinia mississippiensis*)

1:54(American Museum of Natural History, collection)
3:71(KS,OK,TX, request for information on color tagged)

Kite, Red (*Milvus milvus*)

2:5(France, unprotected, recovery from East Germany)

Kite, Snail (*Rostrhamus sociabilis*)

3:25(captivity breeding)

Kite, White-tailed (*Elanus leucurus*)

3:83(CA, status, pesticides)

Lanner (*Falco biarmicus*)

3:11 (captivity breeding)

Merlin (*Falco columbarius*; Pigeon Hawk)

1:41(SD, nest failures); 41(Sask., decrease); 72(captivity breeding, Peregrine foster parent)
2:5(France, unprotected); 6(Gr.Br.(Orkney), ground nesting)
3:25(captivity breeding); 36(request for information on distribution, status); 44(AK, migr., nesting, status); 48(MI, status); 52(NY, NJ, fall migr.); 53(NY, status); 54(request information on nesting, NY); 57(PEI, migr., nesting status); 63(falconry term)

Micrastur semitorquatus, see Falcon, Collared Forest

Micrathene whitneyi, see Owl, Elf

Microhierax caerulescens, see Falconet, Rufous-thighed

Milvus milvus, see Kite, Red

Mimizuku gurneyi

1:53(American Museum of Natural History, collection lacks)

Nyctea scandiaca, see Owl, Snowy

Osprey (*Pandion haliaetus*)

1:20(MN, study); 30(CT, pop. decline, pesticides); 45(N.Am., pesticides); 51(BC, status); 58-59(MN, nesting success, report)
2:36(Can., prairie provinces, pop. survey); 73-74(Gr.Br., nesting status)
3:22(MA, nesting success, pesticides); 22(decline, possible relation to biphenyls); 27(CA, MA, eggshell thinning); 37(use of camera to observe nest); 38(N.Am. survey, plan announcement); 45(CT, nesting decline, death of embryo); 45(FL, nesting success); 46(IL, migr.); 46(MA, nesting success, pop. changes, platforms planned); 47,48(MI, nesting pop., success, platform usage); 48,49(MI,WI,MN, nesting pop., success, decline causes); 49-51(MN, nesting pop., success); 52(NY,NJ, fall migr.); 54(NY, status); 54(NJ, nesting, success, avoid disturbance); 56(WI, nesting pop.); 57(PEI, nesting status); 83(CA, status, nesting success); 88(assembly of data of cooperators)

Otus asio, see Owl, Screech

Otus barbarus

1:57(systematics)

Otus beccaria

1:53(American Museum of Natural History, collection lacks)

Otus choliba

1:57(systematics)

Otus clarkii

1:57(systematics)

Otus flammeolus

1:57(systematics)

Otus guatemalae

1:57(systematics)

Otus irineae

1:53(American Museum of Natural History, collection lacks)

Otus trichopsis

1:57(systematics)

Owl, Barn (*Tyto alba*)

3:22(Gr.Br., treated at rescue scheme); 44(CO, nesting); 54(NJ, nesting); 92(captivity breeding success)

Owl, Barred (*Strix varia*)

3:37(use of camera to observe nest); 44(FL, nesting); 48(MI, decrease); 51(NJ, disappearance); 82(MN, habitat use, telemetry); 84-85(MO, pellet analysis)

Owl, Boreal (*Aegolius funereus*)

1:35(AK, prey of Peregrine)

Owl, Burrowing (*Speotyto cunicularis*)

1:51(BC, pop. decrease)

3:44(CO, nesting)

Owl, Eagle (*Bubo bubo*)

2:5(captivity breeding, success; young released where extinct)

3:80(captivity breeding, attempts at reintroduction)

Owl, Elf (*Micrathene whitneyi*)

1:56(captivity breeding, success)

Owl, Great Horned (*Bubo virginianus*)

1:9-10(captivity, behavior of Red-tailed Hawk toward); 11-12 (SD, nesting success); 20(SD, breeding study); 54(American Museum of Natural History, habitat group)

2:6(use for capture of Harriers); 31(SD, nesting success, food)
3:23(KS, report on nesting pop., success); 24(foot injury in pole trap, dies); 37(use of camera to observe nest); 44(CO, nesting success); 45(FL, nesting); 51(MT, study); 55-56(SD, nesting success); 56(TX, pop.); 57(PEI, pop.); 72(information request, use of man-made structures); 84,85(MO, pellet analysis); 86(telemetry and post-fledging activity); 93(IL, report on nesting)

Owl, Hawk (Surnia ulula)
1:35(AK, prey of Peregrine)

Owl, Long Eared (Asio otus)
3:44(CO, nesting); 54(NJ, nesting)

Owl, Screech (Otus asio)
1:19(SD, predator prey study); 20(SD, territory study); 57(N.Am., study of variation, systematics)
3:54(NJ, nesting); 84-85(MO, pellet analysis); 97-102(captive, behavior and weights)

Owl, Short-eared (Asio flammeus)
2:6(Gr.Br.(Orkney), ground nesting)
3:55(SD, nesting); 57(Ont., status); 84(MO, pellet analysis)

Owl, Snowy (Nyctea scandiaca)
1:12(US Lakes States, request for observations)
2:54(possible aging method); 73,74(Gr.Br.(Shetlands), nesting)
3:56,57(Man., status); 57(PEI, status)

Owl, Tawny (Strix aluco)
3:22(Gr.Br., treated at rescue scheme); 92(captivity breeding, success, behavior of young and adults)

Pandion haliaetus, see Osprey
Parabuteo unicinctus, see Hawk, Harris's
Phodilus prigoginei

1:53(American Museum of Natural History, collection lacks)
Pithecopaga jefferyi, see Eagle, Philippine Monkey-eating

Rostrhamus sociabilis, see Kite, Snail

Scotopelia ussheri
1:53(American Museum of Natural History, collection lacks)
Shikra (Accipiter badius)
3:14(captivity breeding, behavior)

Sparrowhawk, European, see Hawk, European Sparrow
Speotyto cunicularis, see Owl, Burrowing
Strix aluco, see Owl, Tawny
Strix varia, see Owl, Barred
Surnia ulula, see Owl, Hawk

Tyto alba, see Owl, Barn

Vultur gryphus, see Condor, Andean
Vulture, Turkey (Cathartes aura)
3:48(MI, migr.)

Part 3. Index to Other Species

Actitis macularia, see Sandpiper, Spotted
Albatross, Wandering--2:57
Alewives--3:84
Anas acuta, see Pintail
Anas carolinensis, see Teal, Green-winged
Aphid Lion--3:81
Aphids--3:81
Aspergillus (aspergillosis)--1:80; 2:15,70; 3:94
Auklet, Cassin's--1:83

Bacteria, see Salmonella, Staphylococcus epidermatis, Streptococcus faecalis, Escherischia
Bacteria, Acid Fast--2:23
Beetle, Engelmann Spruce--3:85
Blackbird, Rusty--1:36,37
Bobcat--3:86
Bobwhite, Masked--3:25
Brant, Black--1:35
Bunting, Snow--3:30

Canvasback--1:35
Capella gallinago, see Snipe, Common
Chickadee, Black-capped--1:36
Chickadee, Hudsonian--1:36
Coccidia (coccidiosis)--3:80
Colaptes auratus, see Flicker, Yellow-shafted
Cormorant--3:83
Coyote--3:80,84,85,86
Crane, Whooping--3:77

Deer, Mule--3:81
Duck, Harlequin--1:35
Duck, Scaup--1:35
Duck, Wood--3:2

Escherischia--2:15

Fish, see Alewives, Salmon
Flicker, Yellow-shafted--1:28,35,83
Flycatcher, Olive-sided--1:35
Flycatcher, Traill's--1:37
Fox, Red--2:84,86
Fungi, see Aspergillus, Poecilomyces, Yeast

Goose, Blue--2:38
Goose, Snow--2:38
Grackle--3:53
Grebe, Horned--1:35
Grebe, Red-necked--1:35
Grosbeak, Pine--1:36,37
Grouse, Red--3:80

Grouse, Ruffed--1:35,37; 3:82
Grouse, Spruce--1:35
Gull, Bonaparte's--1:35
Gull, Herring--1:30; 3:27,83
Gull, Mew--1:29,35
Gull, Sabine's--1:35

Haemoproteus--3:95
Hare--3:44,81
Hare, Snowshoe--1:36
Hummingbird--2:57

Insects, see Beetle, Engelmann Spruce, Aphids, Aphid Lion
Ixoreus naevius, see Thrush, Varied

Jackrabbit--2:31
Jaeger--3:56
Jay, Blue--1:83
Jay, Gray--1:28,36,37
Junco, Slate-colored--1:36,37

Larus argentatus, see Gull, Herring
Larus canus, see Gull, Mew
Lemming--3:57
Leucocytozoon--3:95
Lion, Mountain--3:81
Longspur, Lapland--3:30
Lynx--3:81,84

Magpie--3:92
Mallard--3:27,83
Melanitta deglandi, see Scoter, White-winged
Melanitta perspicillata, see Scoter, Surf
Mice, Meadow--2:31,85
Mice, White-footed--1:19; 2:31; 3:85
Microtus californicus--3:83
Mink--3:81
Mongoose--3:81
Murrelet, Ancient--1:83
Muskrat--3:81

Otter, Sea--3:44

Passer domesticus, see Sparrow, English
Pelican, Brown--3:27
Pelican, White--3:83
Perisoreus griseus, see Jay, Gray
Phalarope, Northern--1:35
Pheasant--3:85
Phoebe, Say's--1:36
Pigeon, Domestic--1:83; 2:56
Pigeon, Passenger--1:84
Pintail--1:28,35
Plover--3:92

Plover, Upland--1:35
Poecilomyces--2:15
Porcupine--3:24
Protozoa--see Trichomonas gallinae, Coccidia, Haemoproteus,
Leucocytozoon, Trypanosoma
Ptarmigan--3:44,57
Ptarmigan, Willow--3:57

Quail, Coturnix--2:39

Rabbit, Cottontail--1:31; 3:84,85
Raccoon--2:56
Rat, Cotton--3:84,85
Rat, Kangaroo--2:31
Rat, Norway--3:81
Rat, Tree--3:81
Redpoll--1:36
Robin, American--1:28,36,37

Salmon--3:44
Salmonella--2:2,25
Sandpiper, Pectoral--1:35
Sandpiper, Semipalmated--1:35
Sandpiper, Solitary--1:35
Sandpiper, Spotted--1:28,35,37
Scoter, Surf--1:29,35
Scoter, White-wing--1:29,35
Shoveler--1:28,35
Shrew, Dusky--1:36
Snipe, Common--1:28,35
Solitaire, Townsend's--1:36
Sparrow, English--2:56,79
Sparrow, Fox--1:36,37
Sparrow, Harris's--3:30
Sparrow, White-crowned--1:36,37
Spatula clypeata--see Shoveler
Squirrel--2:56; 3:85
Squirrel, Arctic Ground--1:36
Staphylococcus--2:3
Staphylococcus epidermatis--2:15
Starling--2:56; 3:53
Streptococcus faecalis--2:15
Swallow, Bank--1:36,37
Swallow, Barn--3:81
Swallow, Cliff--1:36
Swan, Trumpeter--3:77

Tapeworm--3:39,40
Teal, Blue-winged--1:35; 2:31
Teal, Green-winged--1:28,35
Tern, Arctic--1:35
Thrasher, Sage--1:51
Thrush, Gray-cheeked--1:37
Thrush, Hermit--1:36
Thrush, Swainson's--1:36,37

Thrush, Varied--1:28,36,37
Totanus flavipes--see Yellowlegs, Lesser
Trichomonas gallinae--3:62,70
Trypanosoma--3:95
Turdus migratorius--see Robin, American

Vole, Red-backed--1:36

Warbler, Orange-crowned--1:36
Waterthrush, Northern--1:37
Waxwing, Bohemian--1:36
Widgeon, American--1:35
Wolverine--2:84
Wolves--3:80,84,86
Woodpecker, Downy--3:85
Woodpecker, Hairy--3:85
Woodpecker, Northern Three-toed--3:85

Yeast--2:16

Yellowlegs, Lesser--1:28,35,37

Part 4. Index to Subjects

Anatomy and Physiology

1:40(RRF committee), 81-86(dimorphism)
2:6-9(development, Hen Harrier), 56(development, Prairie Falcon)
3:8,12(down missing, parent hormone treated), 12(toes crippled, parent hormone treated), 9(effects of light), 97-102(weight changes, captivity)

Behavior or Ethology (also see species of raptors)

1:6,7,72(foster parent, captivity), 9-11(captivity), 18(breeding after release, age at breeding), 20(territory), 22(visual abilities), 59(presence of subadults on breeding grounds), 79 (mate exchange), 81-86(feeding, site selection, territoriality), 83(mate replacement), 84(nest site pioneering)
2:2,70-72(foster parent, captivity), 6(ground nesting), 40(RRF committee), 57(flight), 59(no response to captive's distress call), 77(age at breeding), 77-92(captivity)
3:3-18(in captivity), 14(with other species), 16(age at breeding), 17(courtship in captivity), 54,55(behavior changes), 55(cliff nest of tree nester), 56(close nesting of two species), 57 (reaction of ptarmigan), 84(captivity, experiment in prey catching), 87(captivity breeding, behavior problems), 97-102 (in captivity)

Breeding in Captivity (see species of raptors for analysis)

1:3,4,5,6,7,8,9,10,11,15,16,17,18,22,39,40,41,43-45,56,61-86
2:2-3,5,27,28-29,33-35,55,56-57,58-72,73,77-92
3:3-18,19,25,32,33,38,70,76,77,80,87,90,92-93

Breeding Project Information Exchange (BPIE)

1:15-16, 39, 56(Nos. 1,2)
2:2-3(Nos. 3,4), 27, 28-29(Nos. 5-8)
3:19(Nos. 9,10), 38(No. 11), 70(No. 11)

Conference or Meeting

1:2, 6, 61(Peregrine Conference), 3-6(RRF), 6-7(RRF)
2:35-42(RRF)
3:25-33(RRF; National Audubon Society), 26(North American Wild-life and Natural Resources Conference), 35(Cornell conference; RRF; North American Falconers' Association), 36(symposium on ecology and management of predators; Midwest Fish and Wildlife Conference), 73-79(North American Falconers' Association Peregrine Symposium), 80-86(Predation ecology and management, symposium), 87-90(RRF), 91(RRF)

Conservation and Management

1:20(sheep and Golden Eagle, cooperative study), 41-42(Bald Eagle protection; feathers for Indians)
2:3-4(Bald Eagle protection), 5(release of captive bred Eagle Owls; protection in Luxembourg), 40(RRF committee, discussion), 74(eyries robbed, Europe; Monkey-eating Eagle)
3:18(hacking), 22(protection in Norway, Finland; bounty rescinded, Australia), 27, 30, 31, 32(interests of falconers), 28, 29, 30, 32 (legal problems), 32(Eagle law and National Audubon Society), 44(former bounty, AK), 76(management ideas), 77-78(harvesting ideas, regulation), 80(release of captivity bred), 80, 85, 86 (predator management), 85-86(bounties), 89(discussion, types of laws, falconry), 91(breeding project and ownership), 92-93 (return of captives to wild)

Ecology (see also Populations and various species)

1:19(predator-prey study), 20(sheep and Golden Eagle), 28-29, 35 (food), 41(nest destruction), 49-50(agricultural effects), 81-86(feeding behavior)
2:31(food; nest losses), 40(RRF committee)
3:55-56(nest destruction), 81(predator-prey ecology), 82(habitat use), 84, 85(food, pellet analysis)

Education

1:7(breeding project on television), 7, 12(project on Indian reservation), 54(American Museum of Natural History, habitat exhibits)
2:3(U.S. Forest Service brochure on Bald Eagle), 5(motion pictures), 40-41(RRF committee, discussion), 74(U.S. Forest Service slide tape program)
3:19(motion picture available)

Falconry

1:49(effects on populations)
3:27(North American Falconers' Association), 28(New York laws), 29, 30(in California), 30(numbers of captives), 30-31(sale of raptors), 31(North American Falconers' Association; laws), 58-67(glossary of terms), 73-79(North American Falconers'

Association symposium), 77-78(harvest regulations recommendations), 88(aid in surveys from falconers), 89(laws; commercialism; importance of falconers to research)

Geographical Areas

Africa--1:53; 3:36,80

Alabama (AL)--1:24

Alaska (AK)--1:23-39,68; 3:22,27,28,35,36,43,44,74,78,84,88

Alberta (Alta.)--1:46; 3:30,87

Arizona (AZ)--1:40; 3:80-81

Australia--3:22

British Columbia (BC)--1:7,28,45-53,66,70,83,89; 2:41; 3:27, 28,31

California (CA)--2:2; 3:19,27,29,30,31,82,83,84,88

Canada (Can.)--2:32,36,39; 3:32,88

Colorado (CO)--1:18,46,83; 3:30,31,35,44,45,75-79

Colombia--3:36

Connecticut (CT)--3:30,35,48

Czechoslovakia--3:7

District of Columbia (DC)--1:56; 3:1,3,25-31

East Indies--1:53

England--see Great Britain

Europe--1:24,45

Finland--1:24,61; 3:22

Florida (FL)--3:26,45,78

France--1:24; 2:5,74; 3:7

Georgia (GA)--3:99

Germany--1:24,64; 2:5; 3:4,7,27,37,80

Great Britain (Gr.Br.)--1:23,24,25,30,31,39,61; 2:5,6-9,73,74; 3:8,19,22,27,30,71,92-93

Greenland--3:27

Hungary--1:4; 2:74

Idaho (ID)--3:84

Illinois (IL)--2:32; 3:46,49,82,84,93

India--3:14

Iowa (IA)--3:45,84

Ireland--1:65; 3:27

Israel--3:7

Italy--1:4; 2:74

Japan--3:89

Kansas (KS)--3:23,71

Luxembourg--2(5)

Mackenzie Territory--1:83

Manitoba (Man.)--1:56,57

Maryland (MD)--2:29,39; 3:1,21,22,25,26,27,29,30,31,73,75,76,78

Massachusetts (MA)--3:22,27,46

Mexico--3:27,28,32

Michigan (MI)--3:47,48,49

Middle America--1:57
Minnesota (MN)--1:20,41,42,58,59; 2:3,4; 3:36,37,48,49,50,51,
80,82,87
Missouri (MO)--2:55; 3:84,85,96
Montana (MT)--3:36,51
Netherlands--3:7
New Brunswick--1:44
New Jersey (NJ)--3:31,51,52,54
New Mexico (NM)--3:29,75
New York (NY)--1:28,53,83; 2:36; 3:21,28,30,31,52,53,54
North America (N. Am.)--1:21,24,45,57,61; 3:38,76,88
North Carolina (NC)--3:31,48,56,78
North West Territories (NWT)--3:30,32,78
Norway--3:22
Nova Scotia--1:24
Oklahoma (OK)--3:31,71
Ontario (Ont.)--1:24; 2:28; 3:56,57,84
Oregon (OR)--2:4
Papua--1:53
Pennsylvania (PA)--3:30,55,56,58-72
Peru--3:36
Philippines--1:53; 2:53,74
Prince Edward Island (PEI)--3:57
Quebec--3:27
Rhode Island (RI)--3:46
Saskatchewan (Sask.)--1:41; 2:41; 3:32
Scotland--see Great Britain
South America--1:53,54
South Carolina (SC)--3:97,99
South Dakota (SD)--1:2,6,7,11,12,15,19,20,41; 2:30,31,35,53;
3:37,55,56,89
Spain--2:74
Sweden--1:24; 2:5
Switzerland--3:27
Texas (TX)--3:26,56,71,73,75,78
Thailand--3:11
Utah (UT)--3:84
Washington (WA)--2:4,55,78; 3:27,33
West Indies--3:81
Wisconsin (WI)--1:2,3,41,42,49,60,61; 2:28; 3:32,33,48,49,56,
74,75,78
Wyoming (WY)--3:44,45,75,83
Yukon Territory--1:25; 3:78

Migration (also see species of raptors)

1:12(invasion, information request)

2:30(SD)

3:44(AK,CO), 45(CO,IA,WY), 46(IL), 48(MI), 51(NY), 52(NY,PA),
57(PEI), 73-74(TX; east coast)

Museum Collections and Exhibits

1:49(scientific collection, pop. effects), 53-54(American Museum of Natural History; Field Museum; British Museum)
3:25(U.S. National Museum)

Nesting (also see species of raptors and Breeding, Captivity)

1:11,12(SD), 18(CO), 20(MN,SD), 21(nest record card program), 23(Gr.Br.), 26-28,34(AK), 41(SD), 58-59(MN), 60(WI), 72(AK,BC, CO,Mackenzie Territory,NY,WY), 83,84(BC)
2:6-9(Gr.Br.), 30-31,35(SD), 36(nest record card program; NY), 39(Can.), 73-74(Gr.Br.)
3:22(MA), 30(CA,Alta.), 36(MT,Columbia,Peru), 37(Observe with camera), 44(AK,CA,WY), 45(CO,CT,FL,IA,WY), 46(MA), 47(MI), 48 (MI,MN,WI), 49,50(MN), 51(MN,MT), 53(NY), 54(NJ), 55(SD), 56 (Ont.,SD,TX,WI), 57(PEI), 74(BC,Yukon Territory), 74-75(WI), 83(CA), 93(IL)

Organizations (see also Raptor Research Foundation)

Academy of Natural Sciences, Philadelphia--1:56

Alfred University--3:51

American Museum of Natural History--1:53-54; 2:6

Australia, Western, Agriculture Protection Board--3:22

Boise-Cascade Company--2:3

British Columbia Fish and Wildlife Branch--1:62; 3:77,78

British Columbia Provincial Museum--1:62

British Museum--1:53

Bureau of Sport Fisheries and Wildlife--1:20; 3:43,78,79

California Department of Game and Fish--3:83

Canada, National Research Council--1:62

Canada Federal Fisheries Department--1:62

Canadian Wildlife Service--1:62; 2:35,37; 3:32,77,78

Chippewa National Forest--1:58; 3:49-50

Chippewa Tribe--1:42; 2:3-4

Colorado State University--3:35

Cornell Laboratory of Ornithology--1:21; 2:36

Field Museum--1:53

Fyke Nature Association--3:51

International Committee for Bird Preservation--2:73; 3:22

Institute of Marine Resources--3:83

Max McGraw Wildlife Foundation--3:46

Maryland, Department of Chesapeake Bay Affairs--3:21

Maryland, Department of Game and Inland Fish--3:19

Montana Cooperative Wildlife Research Unit--3:51

National Academy of Science--3:86

National Audubon Society--1:20-21; 3:1,25-33

National Park Service--3:77

National Zoological Park--1:56

Norfolk Wildlife Park--2:5; 3:8

North American Falconers' Association--2:53,73; 3:26,27,30,
35,73-79

North Central Audubon Society--3:48,56

Northern States Power Company--1:41-42; 2:3
Patuxent Wildlife Research Center--1:23,70; 2:39; 3:1,21-22,
25,32,75
Patuxent, Bird Banding Laboratory--2:37; 3:1,25,31,88
Patuxent, Pesticide Laboratory--3:1
Patuxent, Rare and Endangered Species Section--3:1,21,25
Prince Edward Island Fish and Wildlife Department--3:57
Royal Society for the Protection of Birds--2:56,73
St. Louis Zoological Gardens--3:96
Society for the Preservation of the Birds of Prey--3:19-20
Southern Illinois University--2:32
U.S. Fish and Wildlife Service--3:55
U.S. Forest Service--3:43
U.S. National Museum--3:1,25
University of Minnesota Cedar Creek Tracking Station--3:82
University of South Dakota--1:19-20
Weyerhauser Company--2:4
Wilson Ornithological Society--2:32
Wisconsin Alumni Research Foundation--1:26
Wool Growers Association--1:20-21

Pathology and Treatment (see also Pesticides, names of parasites)
1:19(treatment of injuries and infections), 80(aspergillosis,
susceptibility of captives)
2:2(captive, young, Salmonella infection), 3(captive, young,
staphylococcus infection), 10-25(foo^t infection, treatment,
report), 38(RRF committee, role, manual)
3:8,12(down missing, parents hormone treated), 12(toes crippled,
parents hormone treated), 22(rescue scheme), 24(foo^t injuries,
report), 71(rescue scheme), 39-40(tapeworm, treatment, report),
41-42(foo^t troubles, care, report), 80(coccidiosis), 94-95(curl-
rent work, report), 88-89(RRF committee, post mortems, possible
manual, care of injured eagles), 92-93(care of injured)

Pesticides and Other Poisons

1:7(mention), 23-38(AK, report, literature review, effects,
enzyme induction, levels in Peregrine Falcon and prey), 39-40
(eggshell thinning), 45,49,50(possible role), 60(biopsies to
evaluate), 61(possible role)
2:38,39,40(discussion, usage attitudes, biopsy, experiments,
coordination)
3:1(laboratory visit), 3(mention), 22(MA, in pop.), 22(biphenyls),
27(history), 28,30(relation to food source), 29(Patuxent re-
search; stress problems), 30(pop. effect with pesticide decline;
usage), 33(legislation), 45(cause of failure to hatch), 74
(effects; polyphenyls), 75(Patuxent research), 75-76(North
American Falconers' Association resolution), 82-84(CA, effects
on raptors), 89(sampling, standardization)

Population and Nesting Status (see species of raptors for analysis)
1:7,11-12,20,23-28,31-32,34,41,45-53,58-59,60,61,83,84

2:6-9, 30-31, 35-37, 73-74
3:3, 21, 22, 27, 30, 31, 35, 36, 43-57, 73, 74, 75, 78, 82-84, 88, 93

Publications, other information (motion pictures, paintings, etc.)
1:3(possible bibliography sources), 22(citation, book by Prestwich), 54(American Museum of Natural History, library resources; paintings by Wolf and Fuertes), 57(review, monograph by Marshall)
2:3(brochure, U.S. Forest Service), 5(periodical, "Kingfisher"; motion picture, wins award), 27, 33(notice, bibliography by Olendorff), 33(publication plans, manuscript by Olendorff), 41 (translation, work by Dementiev), 57(review, book by Terres), 74(slides and tape, U.S. Forest Service)
3:3-18(translation, from Der Falkner), 19(motion picture), 20(advertisement, publication by Olendorff), 21(notices, book by Hickey, book by Brown and Amadon), 32(plan for report by National Audubon Society), 36(notice, reprint of book by Craigheads), 69, 90(RRF, Abstracts)

Raptor Research Foundation (see also BPIE, Raptor Research News)
1:1-3(history), 3-6(first general meeting, WI 1965), 6-7(second general meeting, SD 1966), 14(officers, advisory board), 15 directors' meeting), 39(advisory board, election, incorporation, policy on captivity breeding), 55(membership policy, advisory board), 56(committees), 62(role in breeding program)
2:1-2(committees, members, questionnaire, brochure), 27(committees), 35-42(third meeting, IL 1968), 43-52(membership list 1968), 53 (informal meeting, SD 1968), 54(pop. and banding committees), 55(captivity breeding committee), 73(registry grant)
3:3(captivity breeding, role), 25-33(meeting, DC 1969), 34, 36 (brochure text), 35(meeting information request; regional meeting announcement), 43-57(pop. committee report 1968), 69(renewals), 69, 90, 91(Raptor Research Abstracts), 70(possible formal journal; office address), 77(role in suggested harvest regulation), 87-90(regional meeting, MN 1969), 91(regional meeting, CO 1969)

Raptor Research News
1:7(role), 13(plans), 16-17(editorial on breeding projects), 71, 75.photos)
2:13, 14, 61, 62, 65, 66(photos)
3:19(errata), 69, 70, 90, 91(status, plans)

Requests and Advertisements
1:6(for breeding project), 12(on Snowy Owl invasion), 19(for reports on university research), 21, 56(for cooperators, nest record card program), 22(on visual ability study)
2:3(for photos of known age birds), 54(for feathers for pesticides), 74(for a publication), 75-76(for photos for field recognition)
3:20(publication for sale), 35(on RRF meeting), 36(on status of Merlin), 37(on marked Bald Eagles), 37(on raptor slides), 38 (for cooperators on Osprey survey), 54(on NY Merlin), 71(on marked Mississippi Kites), 72(on use of man made structures)

Systematics or Taxonomy

1:53(*Falco kryenborgi*), 57(variation and revision, Screech Owls)
2:57(N.Am., Peregrine Falcon), 40(RRF Committee)
3:7(hybrid, captive), 26-27(Peregrine Falcon)

Techniques (including banding)

1:4,17(reestablishment of ovo.), 6(artificial insemination possibility), 19(care of injuries), 21,56(nest record card program), 56(fault bars and aging), 60(biopsy), 62(clearing gulls from airport)
2:5(banding recovery), 6(use of owl as lure), 7(color band study), 28(artificial insemination), 30-31(SD, banding, report), 36(nest record card program), 37(banding discussion, RRF committee), 37(camera to observe nests), 37(telemetry), 54(possible aging method, Snowy Owl), 54-55(feather sampling for pesticides, precautions)
3:2(nest box construction), 18(hacking), 33(cage conditions), 37(camera to observe nests), 46,47(nesting platforms and guards), 54(avoiding nest disturbance), 72(feather sampling), 80(release of captive bred young), 82(telemetry), 86(telemetry), 88(intensive study importance), 88(banding discussion), 88(falconer aid in survey), 89(muscle biopsy), 90(telemetry), 91(artificial insemination), 92,93(hacking young birds), 96(drug for capture)

*Item Omitted from Part 2, page [11]

Falcon, Prairie (*Falco mexicanus*)

1:6(captivity breeding); 6(captivity, eggs incubated by Red-tailed Hawk); 10-11(captivity breeding, behavior); 12(SD, nesting success); 18,22,40,41(captivity breeding, partial success); 41(SD, nesting success); 45-53(BC, report on pop. study); 49-50(BC, role of collecting, agriculture practice, biocides in decline); 54(American Museum of Natural History, collection); 56(BPIE, breeding project); 63(captivity, egg laying); 79(mate exchange); 80(captivity breeding); 83(mate replacement); 84(nest site pioneering)
2:2,3(BPIE, captivity breeding, partial success); 35(SD, nesting success); 39(Can., nesting losses and pesticides); 55-56(captivity breeding, report on food preferences, development of young); 70(captivity breeding, death of female, relation to diet)
3:27(eggshell thinning and pesticides); 29-30(CA, ban on taking for falconry, number in captivity); 30(Alta., pesticide effects on nesting, differences); 32(Can., pop. survey); 33(captivity breeding); 44(CO,WY, nesting success); 51(MT, study); 55(SD, nesting success); 56(TX, status); 75(CO, pesticides, loss of young in nest, shell thickness); 78(possible management recommendations)

Item omitted from Part 2, p. [12].

Hawk, Marsh (Circus cyaneus; Harrier, Hen Harrier)
1:11(SD, nesting success); 41(SD, nesting losses, storms); 60(WI,
report on pop., nesting, pesticide study)
2:3(request for photos, known age); 5(France, unprotected); 6-9
(Gr.Br.(Orkney), report on study, pop., marking, development);
30(SD, migr., pop.)
3:44(AK, pop., migr.); 46(IL, migr.); 52(NY, NJ, fall migr.);
55-56(SD, nest success, loss by flooding); 57(Ont., pop., reac-
tion of ptarmigan); 57(PEI, status); 74-75(WI, pop. and behavior
changes); 88(importance of intensive study); 89(taking of muscle
biopsy)